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(54) **Title:** AIR PURGE IN A FLUID INJECTION SYSTEM

(57) **Abstract:** One embodiment provides a method to purge air from a pressurizing unit that is used in a powered fluid injection system. In this embodiment, the method includes moving a drive mechanism in a forward direction to an extended position within a pressurizing unit, retracting the drive mechanism in a rearward direction to partially fill the pressurizing unit with a first quantity of medical fluid, moving the drive mechanism in the forward direction to remove air from the pressurizing unit, and retracting the drive mechanism in the rearward direction to fill the pressurizing unit with a second quantity of fluid, the second quantity of fluid being greater than the first quantity of fluid.



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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 604/131,151,152; 128/DIG.1 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,065,230 (GEZARI) 27 December 1977 (27.12.1977), col. 3, lines 37-62, and figures 1, 2, and 5.	1 and 2
X	US 5,800,397 (WILSON et al.) 1 September 1998 (01.09.1998), col. 9, lines 61-67; col. 10, lines 1-67; col. 12, lines 1-45; and figures 1-2G and 7A-8B.	1 and 3-12
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